

## CLAIMS

1. A method for identifying the geographical cellular area and the wireless carrier network of a mobile wireless device user using a bank of wireless cell phones and/or transceivers in each geographical cellular area.

2. A method for identifying the geographical cellular area and the wireless carrier network of a mobile wireless device user using a bank of wireless cell phones and/or transceivers in each and every geographical cellular area, the method comprising:

establishing one or multiple wireless phone numbers and devices to receive broadcasting messages, protocols, and other control signals from a wireless internet service provider in each and every mobile wireless base station geographical area;

establishing the wireless internet users' geographical area through receiving area designated messages, protocols, and other control signals by scanning the frequency channels;

tuning in users' mobile wireless devices to the one or multiple wireless phone numbers and devices; and

receiving the broadcasting messages, protocols, and other control signals from the wireless internet service provider in each and every mobile wireless base station geographical area.

3. A method for using wireless internet user's own subscribed, assigned wireless phone number (user's assigned channel) for sending acknowledgement and other handshake protocols to a wireless internet service provider's network management servers in response to the control signals and handshake protocol messages broadcasted by one or more wireless phone numbers and/or frequency channels in

the mobile wireless geographical area the users are located and its immediate adjacent areas.

4. A method for measuring the received signal strength, signal to noise ratio, and bit error rate, and/or any other measurement for determining and distinguishing the mobile wireless phone numbers and/or frequency channels scanned and received by the mobile wireless device from several adjacent geographical areas.

5. A method for managing buffer capacity at the site of a wireless internet service provider, said method comprising:

mapping and comparing wireless phone numbers and/or frequency channels identified by users' mobile wireless devices to a table of assigned wireless phone numbers and/or frequency channels in each and every mobile wireless geographical area; and

establishing a buffer memory storage capacity for each mobile wireless internet user or subscriber to temporarily store internet data that a mobile wireless internet user has requested and been delivered by a remote Host Web Sites through low cost high speed transmission link to the servers at the site of the wireless internet service provider.

6. A method for reduction of bandwidth requirements based on user's defined level of resolutions and compression scheme, the method comprising:

establish one or multiple buffer memory storage space for each mobile wireless internet service subscriber/user at servers of a mobile wireless internet service provider; and

establish a web page or other means from the mobile wireless internet service provider to provide the subscriber/user bandwidth trade-off options to be applied to requested web content.

7. A method as recited in claim 6, wherein the bandwidth trade-off options are presented to the subscriber/user as a table or list.

8. A method as recited in claim 6, wherein the bandwidth trade-off options pertain to one or more of different color tones and/or monochrome tones, different resolution levels, and different data compression options.

9. A method as recited in claim 6, wherein said method further comprises:

temporary storage of the complete or partial web page data requested by the mobile wireless internet subscriber/user and transmitted by the remote web host sites.

10. A method as recited in claim 9, wherein the temporary storage of the complete or partial web page data are stored at the servers of the mobile wireless internet service provider.

11. A method and means to reduce the amount of data for web pages requested by a mobile wireless internet service subscriber/user by reducing resolution and/or color level of the web pages requested at servers of the mobile wireless internet service provider.

12. A method for mapping and comparing characteristics of web page data requested by a mobile wireless internet service subscriber/user to user set options/ criteria and the bandwidth available for the mobile wireless transmission of such web page data to the user's mobile wireless internet device.

13. A method for reduction of bandwidth requirements based on user-specified bandwidth trade-off options.

14. A method as recited in claim 13, wherein the reduction of bandwidth requirements is based on the user-specified bandwidth trade-off options and available buffer capacity at the user's wireless internet service provider.

15. A keyboard module contains a subset key set of a complete computer keyboard.

16. A keyboard module that contains one of: (1) only the Left Half Part of a complete computer keyboard; (2) only the Right Half Part of a complete computer keyboard; (3) only the Left One Third Part (Right 33.3%) of a complete computer keyboard; (4) only the Middle One Third Part (Right 33.3%) of a complete computer keyboard; and (5) only the Right One Third Part (Right 33.3%) of a complete computer keyboard.